

REMARKS

Applicants respectfully requests reconsideration of this application as amended.

By this Amendment, minor amendments have been made to claims 59 and 60 to bring them more into compliance with US practice, and new claim 61 has been added.

As discussed in Applicants' specification, in conventional techniques for displaying data in the form of a graph, the display width or graduations for a graph display area are preset such that a graph of the data can be displayed within the graph display area. At this time, when some of the data goes out of the preset display width, the corresponding part of the graph will not be displayed in the graph display area. Another problem is that depending on fluctuations of data contents, the graph can become too small or too large, making it difficult to grasp the characteristics of the graph.

In accordance with one exemplary embodiment of the invention discussed on page 3 of Applicants' specification, one exemplary benefit of the subject application is that even in cases where data included in the cycle is not displayed in the output region, the graph display processing device can display a graph of the data included in the cycle in the output region, by correcting the position of the graph.

Independent claim 59 recites, *inter alia*, determining, based on data on the cardiac cycle, whether or not an electrocardiogram included in the cardiac cycle is displayed appropriately in the output region, and when it is determined that the electrocardiogram included in the cardiac cycle is not displayed appropriately in the output region due to a presence of the noise, scrolling the electrocardiogram for the cardiac cycle in the output region in a direction of cardiac electric potential variation components in order that the cardiac cycle to be displayed in the output region and wherein in said scrolling, the electrocardiogram is shifted in a direction of cardiac electric potential variation components without causing a deformation of waveform.

Similarly, independent claim 60 recites, performing a display position correction process such that an electrocardiogram included in the cardiac cycle is displayed appropriately in the output region, in correlation, in terms of timing, with the process of determining a cardiac cycle and wherein when the electrocardiogram included in the cardiac cycle is not displayed appropriately, the electrocardiogram is shifted in a direction of cardiac electric potential variation components without causing a deformation of waveform.

While the Office Action asserts that JP05-12118 anticipates claims 59 and 60 under 35 USC §102(b), Applicants respectfully submit that the combination of features as recited in claims 59 and 60 is not taught, suggested, nor disclosed in the relied upon reference. During a 21 January 2010 telephone interview, the Examiner clarified that the relied upon reference should have been “Japanese Patent No. JP05-14118.”

In particular, Paragraph 0014 of JP05-14118 discloses:

In addition, a second potable cardiograph in accordance with the present invention comprises: judgment means for judging whether or not an event waveform to be displayed is within a predetermined waveform display area and correction means for correcting amplitude and a base line of the event waveform to be displayed so that the waveform and the base line are displayed within the area when the waveform is out of the area.

Paragraph 0062 of JP05-14118 discloses:

There might be no problem because an event waveform 200 to be displayed is within the event waveform display area 16b when an equation $V_{p-p} \leq H$ is satisfied. It is therefore, the process skips to step S34, but the waveform 200 is not within the display area when an equation $V_{p-p} \leq H$ is not satisfied. Then the process proceeds to step S32 for reducing of the height of the cardiogram data for 1 screen in half ($V_{p-p} \leftarrow V_{p-p}/2$). In step S33, instead of the display data of the event waveform 200 in step S18, the shrank cardiogram data, is converted into display data of the event waveform 200.

As readily apparent from the above, the reference discloses that amplitude and the baseline of the event waveform are corrected when the event waveform is not within the predetermined waveform display area. In the relied upon reference, the amplitude of the waveform is corrected and therefore *the waveform is deformed*. Moreover, in the relied upon reference, the judgment means does not judge every cardiac cycle in real-time.

In distinct contrast, claim 59 recites that the electrocardiogram is shifted in a direction of cardiac electric potential variation components *without causing a deformation of waveform* and independent claim 60 recites when the electrocardiogram included in the cardiac cycle is not displayed appropriately, the electrocardiogram is shifted in a direction of cardiac electric potential variation components *without causing a deformation of the waveform*.

At least based on the above, and the clear indication that the relied upon reference deforms the waveform, Applicants respectfully submit claims 59 and 60 are clearly patentably

distinguishable therefrom. New claim 61, which is directed toward more particular aspects of the invention, is also clearly patentably distinguishable from the relied upon reference.

At least based on the above, Applicants respectfully submit the application is in condition for allowance and respectfully request the issuance of a notice of allowance.

Should the Examiner believe anything further is desirable in order to place the application in even better condition for allowance, the Examiner is encouraged to contact Applicants undersigned representative at the telephone number listed below.

The Commissioner is hereby authorized to charge to deposit account number 19-1970 any fees under 37 CFR § 1.16 and 1.17 that may be required by this paper and to credit any overpayment to that Account. If any extension of time is required in connection with the filing of this paper and has not been separately requested, such extension is hereby petitioned.

Respectfully submitted,

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Date: 15 Apr '10

By: _____

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